

1/6

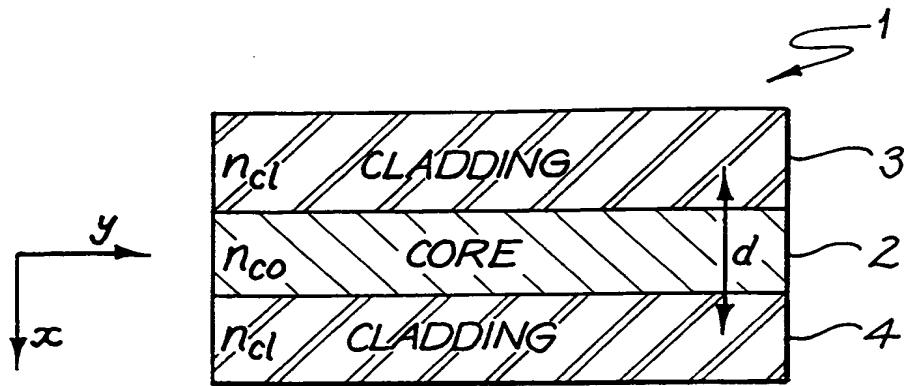


FIG. 1

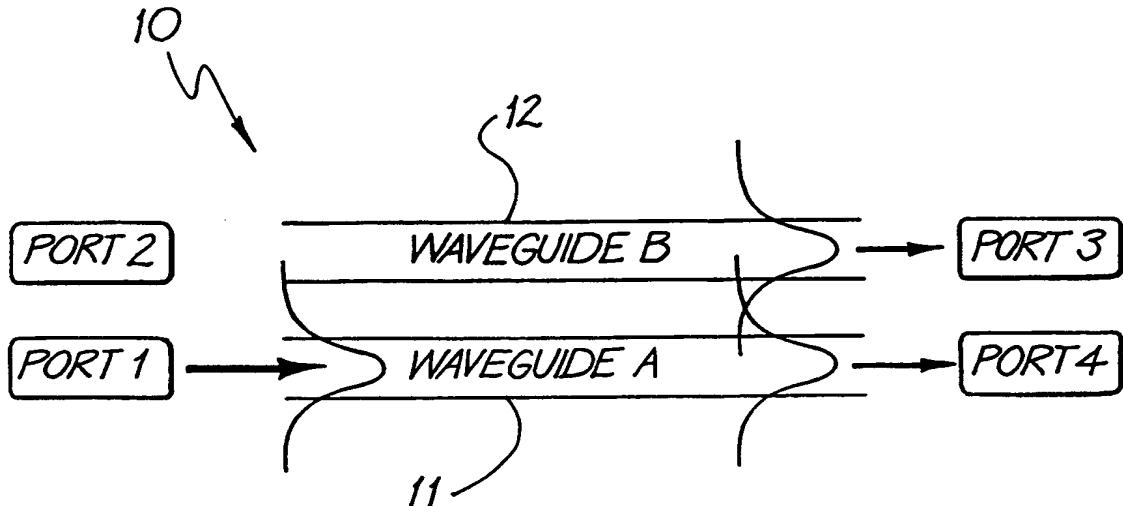


FIG. 2

216

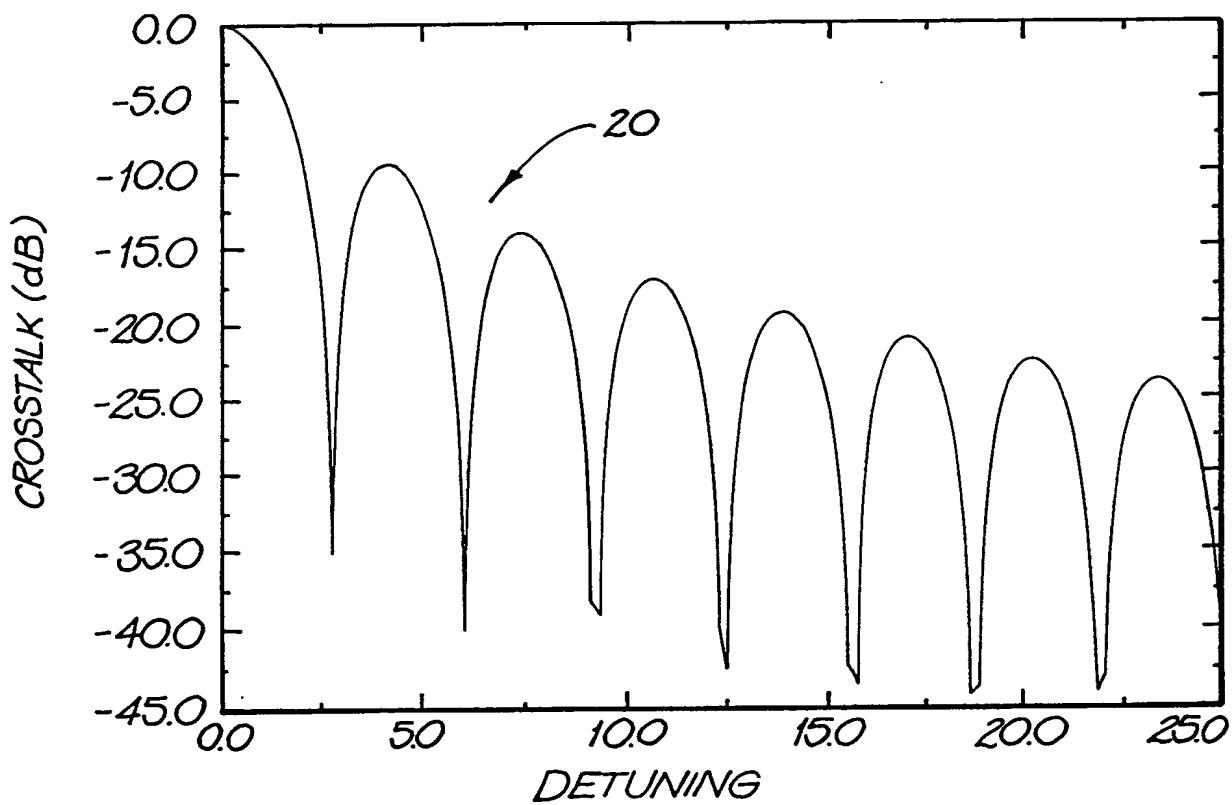


FIG. 3

316

SCHEMATIC & EFFECTIVE INDEX TAPERS OF A  
TYPICAL DIGITAL DIRECTIONAL COUPLER IN THE  
CROSS (SOLID) & BAR (DASHED) STATES.

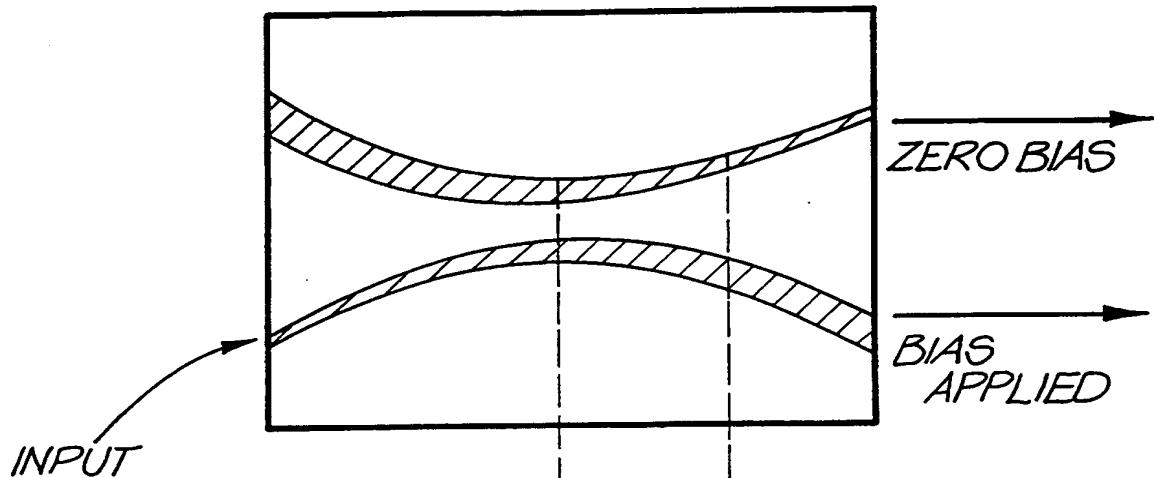


FIG. 4a

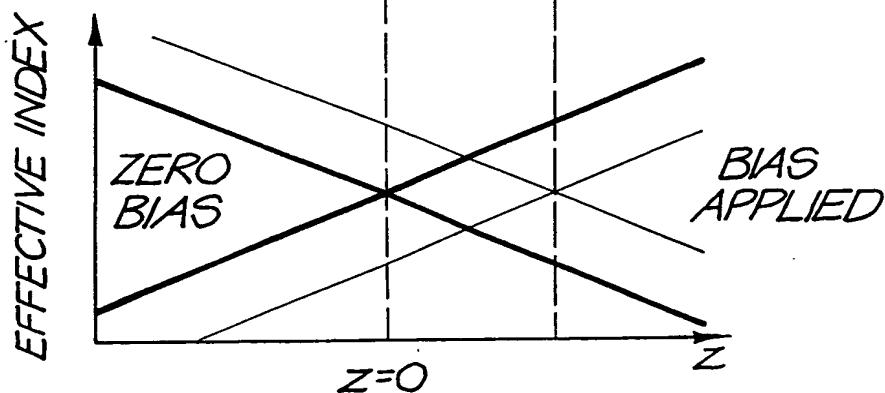


FIG. 4b

4/6

EFFECTIVE INDEX (SOLID) & MAXIMUM CORE  
REFRACTIVE INDEX (DASHED) OF A TEM<sub>01</sub>\* LASER  
WRITTEN WAVEGUIDE AS A FUNCTION OF WRITING  
VELOCITY.

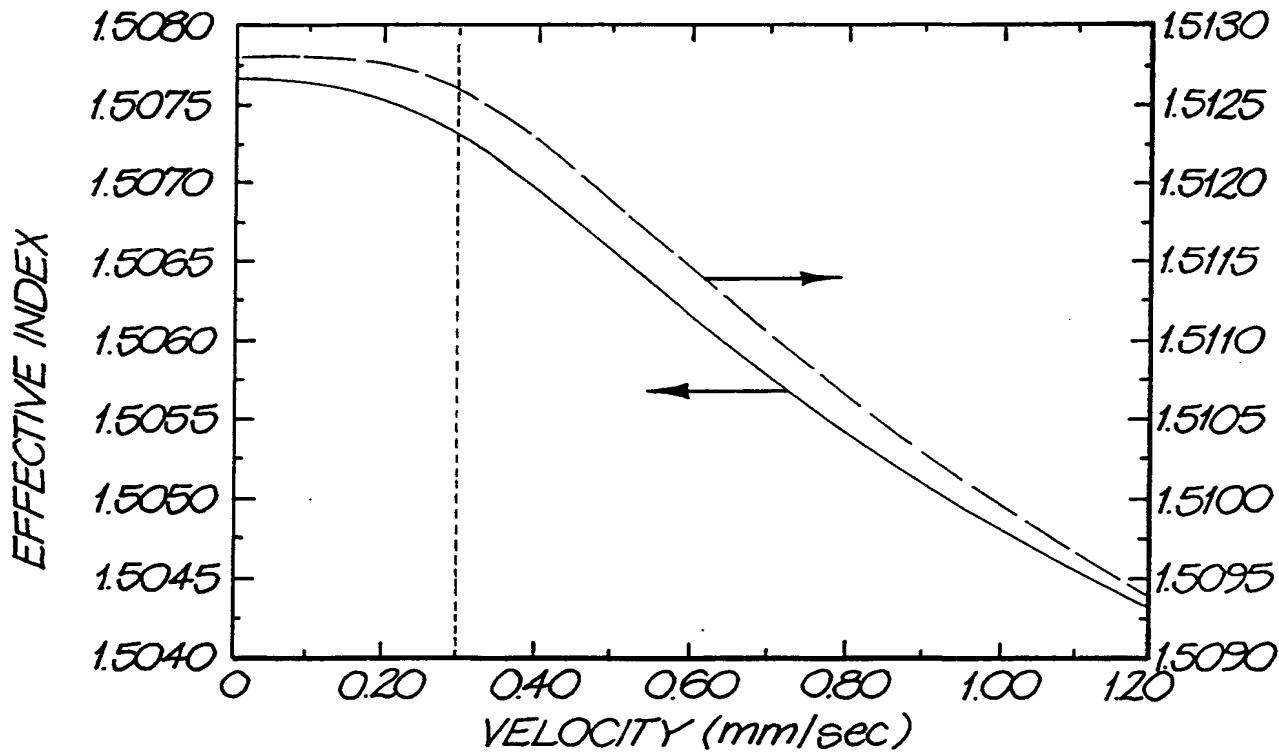


FIG. 5

5/6

COMPARISON OF COUPLING STRENGTHS,  $\kappa(0)$ , FOR  
 $TEM_{01}^*$  (SOLID) &  $TEM_{00}$  (DASHED) LASER WRITTEN  
DIRECTIONAL COUPLERS WITH EQUAL WAVEGUIDE  
SEPARATION & EXPOSURE.

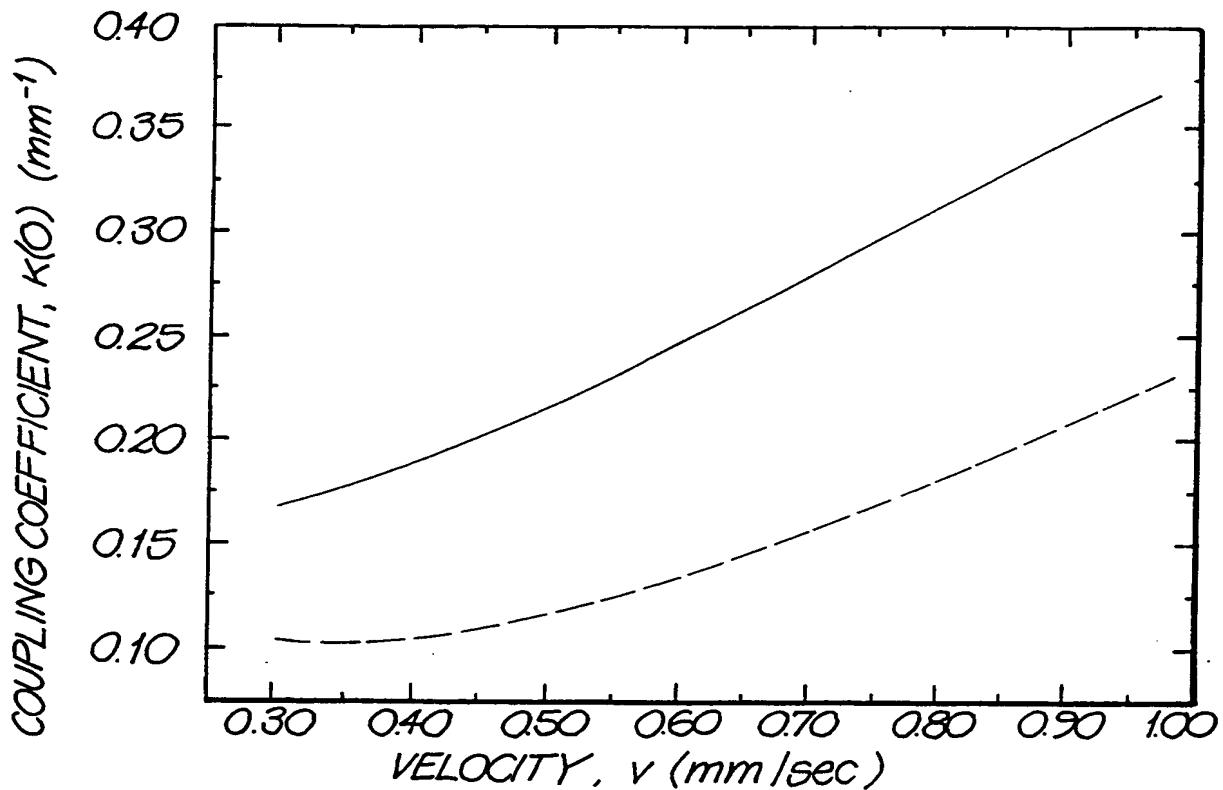


FIG. 6

6/6

FIG. 7

